



*(Use as many sheets as necessary)*

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**Complete if Known**

Application Number	10/761,435
Filing Date	January 22, 2004
First Named Inventor	UMANA, Pablo
Art Unit	1633
Examiner Name	Burkhart, Michael D.
Attorney Docket Number	1975.0180003/TJS/M-N

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	10/761,435
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	NPL1	Amigorena, S., "Fcγ Receptors and Cross-Presentation in Dendritic Cells," <i>J. Exp. Med.</i> 195:F1-F3, The Rockefeller University Press (January 2002)	
	NPL2	Andersen, D.C., and Krummen, L., "Recombinant protein expression for therapeutic applications," <i>Curr. Opin. Biotechnol.</i> 13:117-123, Elsevier Science Ltd. (April 2002)	
	NPL3	Arnon, R., <i>et al.</i> , "Monoclonal Antibodies for Immunotargeting of Drugs in Cancer Therapy," in <i>Monoclonal Antibodies and Cancer Therapy</i> , Reisfeld, R.A., and Sell, S., eds., Alan R. Liss, Inc., New York, NY, pp. 243-256 (1985)	
	NPL4	Borth, N., <i>et al.</i> , "Efficient Selection of High-Producing Subclones During Gene Amplification of Recombinant Chinese Hamster Ovary Cells by Flow Cytometry and Cell Sorting," <i>Biotechnol. Bioeng.</i> 71:266-273, John Wiley & Sons, Inc. (2001)	
	NPL5	Carson, W.E., <i>et al.</i> , "Interleukin-2 enhances the natural killer cell response to Herceptin-coated Her2/ <i>neu</i> -positive breast cancer cells," <i>Eur. J. Immunol.</i> 31:3016-3025, Wiley-VCH Verlag GmbH (2001)	
	NPL6	Cartron, G., <i>et al.</i> , "Therapeutic activity of humanized anti-CD20 monoclonal antibody and polymorphism in IgG Fc receptor FcγRIIIa gene," <i>Blood</i> 99:754-758, American Society of Hematology (February 2002)	
	NPL7	Chadd, H.E., and Chamow, S.M., "Therapeutic antibody expression technology," <i>Curr. Opin. Biotechnol.</i> 12:188-194, Elsevier Science Ltd. (2001)	

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	NPL8	Chamow, S.M., and Ashkenazi, A., "Immunoadhesins: principles and applications," <i>Trends Biotechnol.</i> 14:52-60, Elsevier Science Ltd. (1996)	
	NPL9	Clynes, R.A., <i>et al.</i> , "Inhibitory Fc receptors modulate <i>in vivo</i> cytotoxicity against tumor targets," <i>Nat. Med.</i> 6:443-446, Nature Publishing Company (2000)	
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	NPL14	Cumming, D.A., "Glycosylation of recombinant protein therapeutics: control and functional implications," <i>Glycobiology</i> 1:115-130, Oxford University Press (1991)	
	NPL15	Daëron, M., "Fc Receptor Biology," <i>Annu. Rev. Immunol.</i> 15:203-234, Annual Reviews Inc. (1997)	

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	NPL16	de Haas, M., <i>et al.</i> , "A Triallelic Fcγ Receptor Type IIIA Polymorphism Influences the Binding of Human IgG by NK Cell FcγRIIIa <sup>1</sup> ," <i>J. Immunol.</i> 156:2948-2955, The American Association of Immunologist (1996)	
	NPL17	Deo, Y.M., <i>et al.</i> , "Clinical significance of IgG Fc receptors and FcγR-directed immunotherapies," <i>Immunol. Today</i> 18:127-135, Elsevier Science Ltd. (1997)	
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	NPL20	Frost, J.D., <i>et al.</i> , "A Phase I/IB Trial of Murine Monoclonal Anti-GD2 Antibody 14.G2a plus Interleukin-2 in Children with Refractory Neuroblastoma," <i>Cancer</i> 80:317-333, John Wiley & Sons, Inc. (1997)	
	NPL21	Giddings, G., "Transgenic plants as protein factories," <i>Curr. Opin. Biotechnol.</i> 12:450-454, Elsevier Science Ltd. (2001)	
	NPL22	Goldenberg, M.M., "Trastuzumab, a Recombinant DNA-Derived Humanized Monoclonal Antibody, a Novel Agent for the Treatment of Metastatic Breast Cancer," <i>Clin. Ther.</i> 21:309-318, Excerpta Medica, Inc. (1999)	
	NPL23	Grillo-López, A.J., <i>et al.</i> , "Overview of the Clinical Development of Rituximab: First Monoclonal Antibody Approved for the Treatment of Lymphoma," <i>Semin. Oncol.</i> 26:66-73, W.B. Saunders Company (1999)	

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	NPL24	Hartman, S.C., and Mulligan, R.C., "Two dominant-acting selectable markers for gene transfer studies in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 85:8047-8051, National Academy of Sciences (1988)	
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	NPL26	Hellström, K.E., and Hellström, I., "Chap. 15. Antibodies for Drug Delivery," <i>Controlled Drug Delivery Fundamentals and Applications</i> , 2 <sup>nd</sup> ed., Robinson, J.R., and Lee, V.H.L., eds., Marcel Dekker, Inc., New York, NY, pp. 623-653 (1987)	
	NPL27	Huse, W.D., <i>et al.</i> , "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," <i>Science</i> 246:1275-1281, American Association for the Advancement of Science (1989)	
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	NPL29	Jenkins, N., <i>et al.</i> , "Getting the glycosylation right: Implications for the biotechnology industry," <i>Nat. Biotechnol.</i> 14:975-981, Nature America Publishing (1996)	
	NPL30	Kalergis, A.M., and Ravtech, J.V., "Inducing Tumor Immunity through the Selective Engagement of Activating Fcγ Receptors on Dendritic Cells," <i>J. Exp. Med.</i> 195:1653-1659, The Rockefeller University Press (June 2002)	
	NPL31	Kobayashi, N., <i>et al.</i> , "Analysis of Assembly of Synthetic Antibody Fragments: Expression of Functional scFv with Predefined Specificity," <i>BioTech.</i> 23:500-503, Eaton Publishing Co. (1997)	

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	NPL32	Köhler, G., and Milstein, C., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> 256:495-497, Macmillan Journals Ltd. (1975)	
	NPL33	Kozbor, D., and Roder, C.J., "The production of monoclonal antibodies from human lymphocytes," <i>Immunol. Today</i> 4:72-79, Elsevier Biomedical Press (1983)	
	NPL34	Lerouge, P., <i>et al.</i> , "N-Glycosylation of Recombinant Pharmaceutical Glycoproteins Produced in Transgenic Plants: Towards an Humanisation of Plant N-Glycans," <i>Curr. Pharm. Biotechnol.</i> 1:347-354, Bentham Science Publishers Ltd. (2000)	
	NPL35	Lifely, M.R., <i>et al.</i> , "Glycosylation and biological activity of CAMPATH-1H expressed in different cell lines and grown under different culture conditions," <i>Glycobiology</i> 5:813-822, Oxford University Press (1995)	
	NPL36	Lis, H., and Sharon, N., "Protein glycosylation Structural and Functional aspects," <i>Eur. J. Biochem.</i> 218:1-27, FEBS (1993)	
	NPL37	Lowy, I., <i>et al.</i> , "Isolation of Transforming DNA: Cloning the Hamster appt Gene," <i>Cell</i> 22:817-823, MIT (1980)	
	NPL38	Lund, J., <i>et al.</i> , "Multiple Interactions of IgG with Its Core Oligosaccharide Can Modulate Recognition by Complement and Human Fcγ Receptor I and Influence the Synthesis of Its Oligosaccharide Chains," <i>J. Immunol.</i> 157:4963-4969, American Association of Immunologists (1996)	
	NPL39	Ma, J. K.-C., <i>et al.</i> , "The Production of Recombinant Pharmaceutical Proteins in Plants," <i>Nat. Rev. Genet.</i> 4:794-805, Nature Publishing Group (October 2003)	

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	NPL41	Metes, D., <i>et al.</i> , "Identification of the CD32/FcγRIIc-Q <sup>13</sup> /STP <sup>13</sup> polymorphism using an allele-specific restriction enzyme digestion assay," <i>J. Immunol. Meth.</i> 258:85-95, Elsevier Science B.V. (2001)	
	NPL42	Mulligan, R.C., and Berg, P., "Selection for animal cells that express the <i>Escherichia coli</i> gene coding for xanthine-guanine phosphoribosyltransferase," <i>Proc. Natl. Acad. Sci. USA</i> 78:2072-2076, National Academy of Science (1981)	
	NPL43	Morrison, S.L., <i>et al.</i> , "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains," <i>Proc. Natl. Acad. Sci. USA</i> 81:6851-6855, National Academy of Science (1984)	
	NPL44	Neuberger, M.S., <i>et al.</i> , "Recombinant antibodies possessing novel effector functions," <i>Nature</i> 312:604-608, Macmillan Journals Ltd. (1984)	
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	NPL46	O'Hare, K., <i>et al.</i> , "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase," <i>Proc. Natl. Acad. Sci. USA</i> 78:1527-1531, National Academy of Science (1981)	

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	NPL47	Opat, A.S., <i>et al.</i> , "Medial Golgi but Not Late Golgi Glycosyltransferases Exist as High Molecular Weight Complexes," <i>J. Biol. Chem.</i> 275:11836-11845, The American Society for Biochemistry and Molecular Biology, Inc. (2000)	
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				Filing Date	January 22, 2004
				First Named Inventor	UMAÑA, Pablo
				Art Unit	1633
				Examiner Name	Burkhart, Michael D.
Sheet	8	of	10	Attorney Docket Number	1975.0180003/TJS/M-N

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T <sup>2</sup>
	NPL54	Santerre, R.F., <i>et al.</i> , "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells," <i>Gene</i> 1069:147-156, Elsevier Science Publishers (1984)	
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	NPL61	Stabila, P.F., <i>et al.</i> , "Cell surface expression of a human IgG Fc chimera activates macrophages through Fc receptors," <i>Nat. Biotechnol.</i> 16:1357-1360, Nature American Inc. (1998)	
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	NPL63	Szybalska, E.H., and Szybalski, W., "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait," <i>Proc. Natl. Acad. Sci. USA</i> 48:2026-2034, National Academy of Science (1962)	
	NPL64	Takeda, S.-I., <i>et al.</i> , "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences," <i>Nature</i> 314:452-454, Macmillan Journals Ltd. (1985)	
	NPL65	Thorpe, P.E., and Ross, W.C.J., "The Preparation and Cytotoxic Properties of Antibody-Toxin Conjugates," <i>Immunol. Rev.</i> 62:119-158, Munksgaard (1982)	
	NPL66	Thorpe, P.E., "Antibody Carriers of Cytotoxic Agents in Cancer Therapy: A Review," in <i>Monoclonal Antibodies '84: Biological and Clinical Applications</i> , Pinchea, A., <i>et al.</i> , eds., Editrice Kurtis, Italy, Milano, pp. 475-506 (1985)	
	NPL67	Umaña, P., <i>et al.</i> , "Engineered glycoforms of an antineuroblastoma IgG1 with optimized antibody-dependent cellular cytotoxic activity," <i>Nat. Biotechnol.</i> 17:176-180, Nature America, Inc. (1999)	

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	NPL68	van Der Kolk, L.E., <i>et al.</i> , "Complement activation plays a key role in the side-effects of rituximab treatment," <i>Br. J. Hematol.</i> 115:807-811, Blackwell Science Ltd. (2001)	
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	NPL72	Wright, A., and Morrison, S.L., "Effect of glycosylation on antibody function: implications for genetic engineering," <i>Trends Biotechnol.</i> 15:26-32, Eslevier Science Ltd. (1997)	
	NPL73	Wormland, M.R., <i>et al.</i> , "Variations in Oligosaccharide-Protein Interactions in Immunoglobulin G Determine the Site-Specific Glycosylation Profiles and Modulate the Dynamic Motion of the Fc Oligosaccharides," <i>Biochemistry</i> 36:1370-1380, American Chemical Society (1997)	
	NPL74	Zecca, M., <i>et al.</i> , "Anti-CD20 monoclonal antibody for the treatment of severe, immune-mediated pure red cell aplasia and hemolytic anemia," <i>Blood</i> 97:3995-3997, The American Society of Hematology (2001)	

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